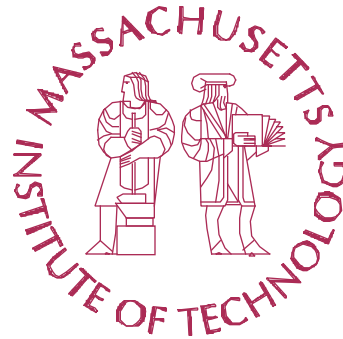


# **Lean Aerospace Initiative Plenary Workshop**

## **Transition to Lean Module**



**October 15, 1998**

**Presented By:  
Debbie Nightingale  
MIT**

Research Sponsored Jointly By LAI & Lean Forum



## ***Transition to Lean Module “Scenario”***

**The head of a business unit is faced with the following scenario:**

- **Business Environment**
  - Projected backlog radically decreasing
  - New RFP's require significantly less time and lower price
  - Overheads high
  - Pressure from “grass root” lean change in Factory Operations to remove enterprise barriers
- **Imperative to:**
  - Win business
  - Keep people & stockholders happy

**Adopting “Lean” appears to be a potential solution -  
How do I transition my organization to “Lean”?**



## ***Transition to Lean Module Objectives***

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- **Develop a prototype module that focuses on implementation of lean at the:**
  - Enterprise level
  - One lower level (e.g., factory operations)
- **Draws upon the LEM as a reference database**

**To provide companies with “Roadmaps” of suggested key lean milestone events**

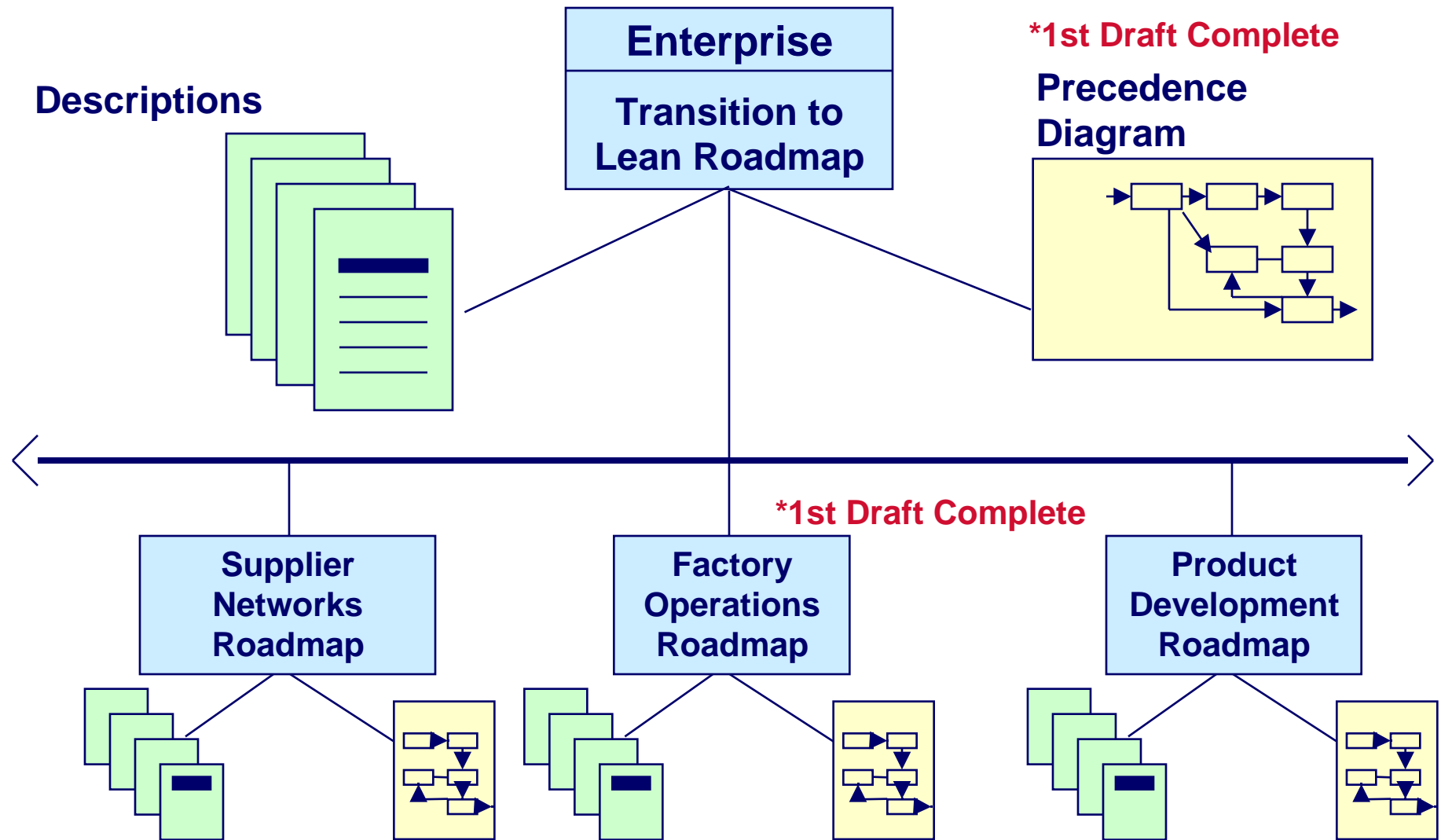


# ***Transition to Lean Module Features***

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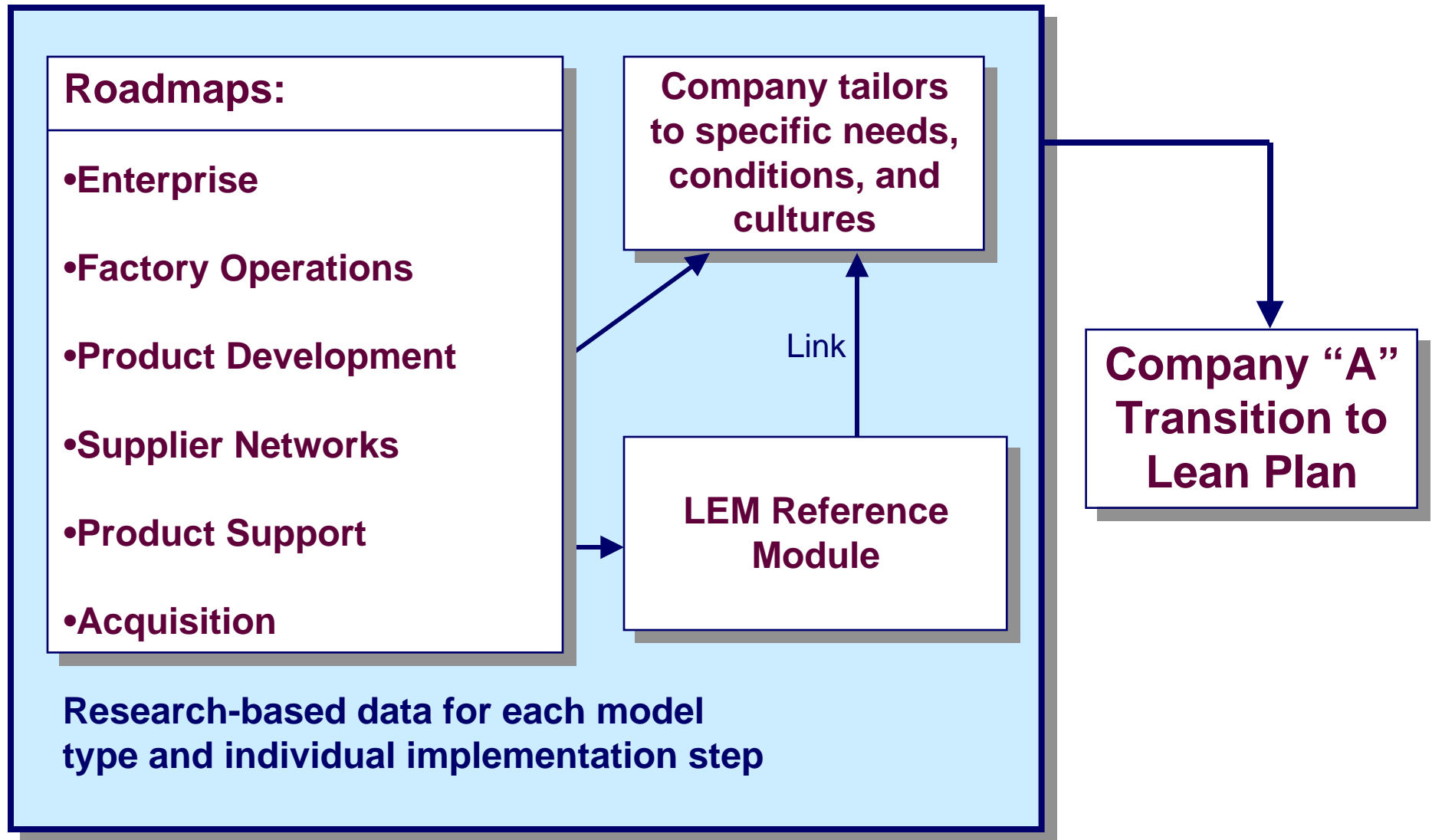
- **Roadmaps:**
  - Precedence networks that indicate the order or sequence for implementing lean practices
  - Descriptions which illustrate the concepts, issues, and best practices for each step
- **Validated by successful lean implementations**

# Transition to Lean Module Framework

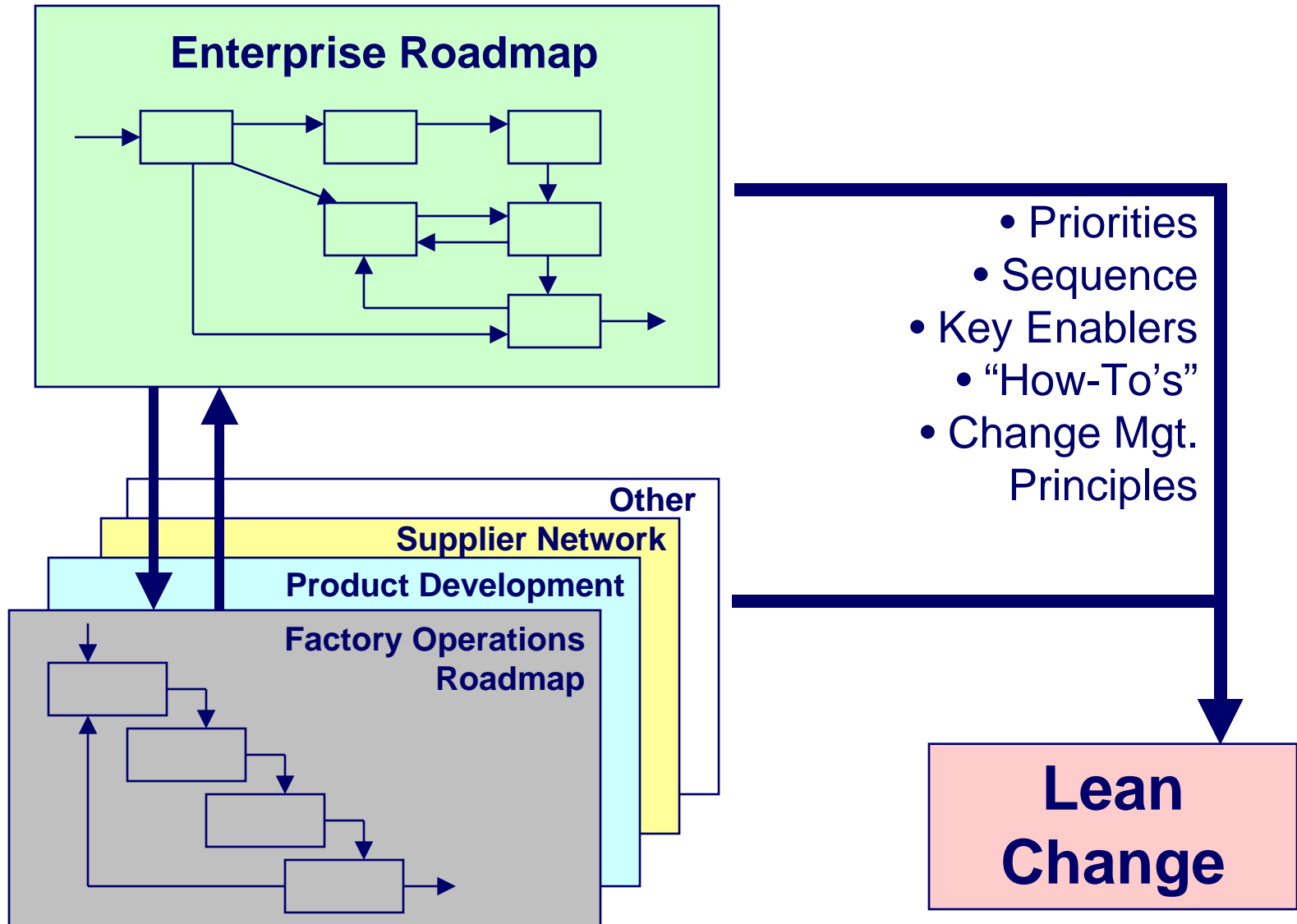




# Use of Transition to Lean Module



# Transition to Lean Module “Strategy”





## ***Transition to Lean Module Future Activities***

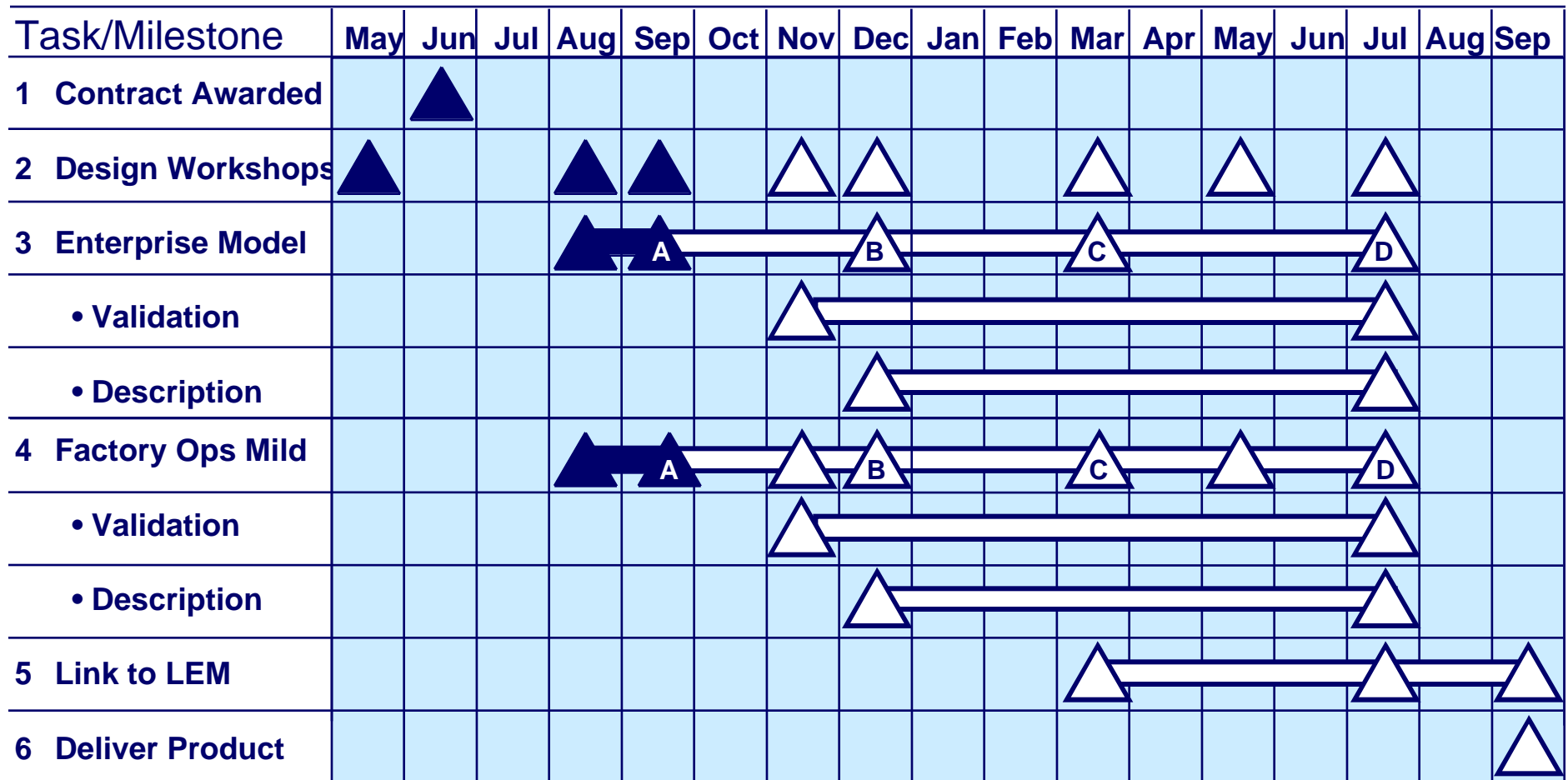
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- **Complete development of Enterprise and Factory Operations level precedent diagrams**
- **Provide descriptions for each element in each diagram**
- **Validate diagrams and descriptions**
  - **Successful “lean” implementations**
  - **External “Red Team”**
- **Link to LEM**
- **Deliver TTL Concept Demonstration Module in Sept. 1999**





# Transition to Lean Module “Key Milestones”



△ = scheduled milestone      ▲ = completed milestone